

## TRANSCRIPTION - ORIGINAL FOLLOWS

Deployment of Blue Suit Capability in Space Operations (U)

HQ USAF [ILLEG]

1. (U) The General Inspection Report of Aerospace Defense Command, 4 March - 3 May [illeg], indicated that there was a potential within the 10th Aerospace Defense Group (ADG) to assume additional aerospace operational functions. This potential, it stated, could be realized with relatively small increases in personnel and attendant specialized training. ADG's reply acknowledged this potential existed and expressed readiness to assume additional responsibility if so directed by USAF. Concurrently, a preliminary in-house study of certain operational functions was instituted by ADG to determine how this potential could best be exploited. No contact was made with the other major commands presently performing or controlling these functions.

[9 lines excised]

3. (U) Since the general subject of proper assignment of functions has been raised by AFSC, I now believe that a detailed, in-depth study of ADG's capability to assume additional functions should be initiated.

4. (U) Our in-house study substantiates the Inspector General's comments that a potential does exist for assumption of additional functions without degrading Program 437. In my opinion there are three areas that warrant immediate attention. These three areas deal only with those aspects of each function that are considered "operational", rather than R&D. While the launch activity from those Thor configured emplacements mainly supports R&D payloads, it does not necessarily follow that the missiles and guidance systems are

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# Employment of Ultra Sulf Capability in Space Operations (U)

HQ USAF (AFSCS)

1. (U) The General Inspection Report of Aerospace Defense Command, 4 March - 3 May 1963, indicated that there was a potential within the 10th Aerospace Defense Group (ADC) to assume additional aerospace operational functions. This potential, it stated, could be realized with relatively small increases in personnel and attendant specialized training. ADC's reply acknowledged this potential existed and expressed readiness to assume additional responsibility if so directed by USAF. Concurrently, a preliminary in-house study of certain operational functions was instituted by ADC to determine how this potential could best be exploited. No contact was made with the other major commands presently performing or controlling these functions.

2. (U) Since the general subject of proper assignment of functions has been raised by AFSCS, I now believe that a detailed, in-depth study of ADC's capability to assume additional functions should be initiated.

3. (U) Our in-house study substantiates the Inspector General's comments that a potential does exist for assumption of additional functions without degrading Program 437. In my opinion there are three areas that warrant immediate attention. These three areas deal only with those aspects of each function that are considered "operational", rather than R&D. While the launch activity from these Thor configured emplacements mainly supports R&D payloads, it does not necessarily follow that the missiles and guidance systems are

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also in the R&D stage. Launch and placement of the payload in orbit are routine tasks employing an operational launch vehicle and guidance system. Similarly, [illeg] computations, payload control and readout are normally considered operational functions.

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also in the RSD stage. Launch and placement of the payload in orbit are routine tasks employing an operational launch vehicle and guidance system. Similarly, operational computations, payload control and readout are normally considered operational functions.

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TRANSCRIPTION - ORIGINAL FOLLOWS

[many lines excised]

3 Atchs

1. Blue Suit Operation of  
[illeg] 6 & 7 at VAFB (S)
2. Blue Suiting Selected  
Launch Facilities at VAFB(S)

B 1

ARTHUR G. AGAN LT GEN. USAF  
COMMANDER

3 Items

1. Blue Suit Operation of  
C-2 6 & 7 at VAB (S)
2. Blue Suiting Selected  
Launch Facilities at VAB (S)
3. ~~Consolidation of Fgn-417  
Functions (S)~~

BLUE SUIT OPERATION OF GROUND GUIDANCE  
STATIONS 6 & 7 AT VANDENBERG AFB

1. (U) These two Ground Guidance Stations (GG-6 and GG-7) support Air Force Systems Command Launch activities. They provide command guidance for Titan III-B, Thor Agena and Thor Delta Launches and are operated, maintained, and furnished supply support by contractor.
2. (U) The 25th Aerospace Defense Squadron (25ADS) presently operates two ground guidance stations at Johnston Island in support of Program 437 and late in calendar year 1958 will begin operation of GG-3 at Vandenberg AFB as a training facility. These three stations are very similar to GG-6 and 7.
3. (U) The 25 ADS has four combat guidance crews at Vandenberg AFB at all times, other than during crew rotation (a one week period). Guidance personnel are part of a rotational crew, spending three months at Johnston Island and six months at Vandenberg AFB. During the period that the crews are at Vandenberg AFB their primary function is to maintain proficiency. However, there would always be sufficient personnel available to man the two stations under consideration.
4. (U) The 10 Aerospace Defense Group could assume responsibility for GG-6 and 7 with minimum personnel augmentation. This augmentation of permanently assigned personnel, in each major functional area, radar and computer, is required to provide the necessary continuity to the rotating crew personnel and the training section.
5. (U) Training would be necessary only on that equipment which is different from GG-3 or the guidance stations at Johnston Island. The required training could be provided by Field Training Detachment 530S at Vandenberg AFB. The FTD has indicated that training can be provided. It would, however, require some additional manning, additional documentation and access to the equipment of GG-6 and 7. Approximately ten weeks of instruction time will be required.

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**BLUE SHIRT OPERATION OF GROUND GUIDANCE  
STATIONS 6 & 7 AT VANDENBERG AFB**

1. (C) These two Ground Guidance Stations (GGS-6 and GGS-7) support Air Force Systems Command Launch activities. They provide command guidance for Titan III-B, Thor Agena and Thor Delta Launches and are operated, maintained, and furnished supply support by contractor.

2. (U) The 15th Aerospace Defense Squadron (25ADS) presently operates two ground guidance stations at Johnston Island in support of Program 437 and late in calendar year 1968 will begin operation of GGS-3 at Vandenberg AFB as a training facility. These three stations are very similar to GGS-6 and 7.

3. (U) The 25ADS has four combat guidance crews at Vandenberg AFB at all times, other than during crew rotation (a one week period). Guidance personnel are part of a rotational crew, spending three months at Johnston Island and six months at Vandenberg AFB. During the period that the crews are at Vandenberg AFB their primary function is to maintain proficiency. However, there would always be sufficient personnel available to man the two stations under consideration.

4. (U) The 15 Aerospace Defense Group could assume responsibility for GGS-6 and 7 with minimum personnel augmentation. This augmentation of permanently assigned personnel, in each major functional area, radar and computer, is required to provide the necessary continuity to the rotating crew personnel and the training section.

5. (U) Training would be necessary only on that equipment which is different from GGS-3 or the guidance stations at Johnston Island. The required training could be provided by Field Training Detachment 5308 at Vandenberg AFB. The FTD has indicated that training can be provided. It would, however, require some additional manning, additional documentation and access to the equipment of GGS-6 and 7. Approximately ten weeks of instruction time will be required.

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## TRANSCRIPTION - ORIGINAL FOLLOWS

administrative personnel will be determined in the conduct of the in-depth study recommended in the basic letter.

### 6. (U) Training:

a. It would appear that the required classroom training for the Long Tank Thrust Augmented Thor (THORAD) could be provided by ATC Field Training Detachment (FTD) 530S at VAFB. The curriculum for the course is projected to be approximately three weeks in length. This training effort will be greatly simplified by selectively assigning experienced 10 ADG personnel as the initial cadre in each specialty.

b. Specific on-the-job equipment training would be furnished by the contractor during the transition phase.

c. With the exception of these personnel assigned to [illeg], 10 ADG personnel will require minimum training to familiarize launch crews with the launch site and booster crews will require training to process and mate the solid motor thrust augmented Thor (THORAD). Although [illeg] presents a somewhat more difficult problem, assumption of launch services is within the capability of the 10 ADG. This particular emplacement is unique in that it has been converted from an Atlas facility to a Thor complex. Because of this conversion, the associated Aerospace Ground Equipment, [illeg], Propulsion Transfer System (PTS), Missile Service Tower, etc., differ from that normally associated with a conventional Thor launch emplacement. Due to these unusual modifications, load time for assuming this responsibility differs when compared to other Thor complexes.

[lines excised]

8. (U) The technical data costs normally expected in "blue suiting" a system/facility would not be required in this transfer of responsibilities. Each emplacement would be operated through a "relaxed" format similar to that used

administrative personnel will be determined in the conduct of the in-depth study recommended in the basic letter.

6. (U) Training:

a. It would appear that the required classroom training for the Long Tank Thrust Augmented Thor (LTTAG) could be provided by AIC Field Training Detachment (AID) 6608 at WMB. The curriculum for the course is projected to be approximately three weeks in length. This training effort will be greatly simplified by selectively assigning experienced LTTAG personnel as the initial cadre in each specialty.

b. Specific on-the-job equipment training would be furnished by the contractor during the transition phase.

c. With the exception of those personnel assigned to CIV-SW, LTTAG personnel will require minimum training to familiarize launch crews with the launch site and booster crews will require training to process and mate the solid motor thrust augmented Thor (LTTAG). Although LTTAG presents a somewhat more difficult problem, assumption of launch activities is within the capability of the LTTAG. This particular emplacement is unique in that it has been converted from an Atlas facility to a Thor complex. Because of this conversion, the associated Aerospace Ground Equipment, prelaunches, Propulsion Transfer System (PTS), Mission Service Tower, etc., differ from that normally associated with a conventional Thor launch emplacement. Due to these unusual modifications, lead time for assuming this responsibility differs when compared to other Thor complexes.

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8. (U) The technical data costs normally expected in "blue suiting" a system/facility would not be required in this transfer of responsibilities. Each emplacement would be operated through a "relaxed" format similar to that used

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in the [illeg] program. Use of Contractor Technical Data and [illeg] Engineering Authorization (CEA) eliminates the costly technical data conversion to standard Air Force [illeg] format and [illeg] requirements.

[lines excised]

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In the contract proposal, the contractor technical  
Data and Engineering Annotations (CEA) eliminates  
the costly technical data conversion to standard Air Force  
T. O. format and AFIO 22 requirements.

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# TRANSCRIPTION - ORIGINAL FOLLOWS

## BLUE SUITING SELECTED LAUNCH FACILITIES AT VANDENBERG AFB

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4. (U) Of the estimated 620 personnel assigned to the McDonnell-Douglas Field Station at VAFB, 185 are devoted to providing launch services for these emplacements. This includes 99 engineers and 86 technicians.

BLUE BUTTING SELECTED LAUNCH FACILITIES AT  
VANDENBERG AFB

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4. (U) Of the estimated G20 personnel assigned to the McDonnell-Douglas Field Station at VAFB, 135 are devoted to providing launch services for those emplacements. This includes 90 engineers and 66 technicians.

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## TRANSCRIPTION - ORIGINAL FOLLOWS

6. (U) AFSC would be charged with logistic engineering and technical data support. Initially, however, AFSC would provide the technical data, including procedures and checklists associated with each program supported by GGS-6 and 7.

[lines excised]

6. (U) AISC would be charged with logistic engineering and technical data support. Initially, however, AISC would provide the technical data, including procedures and checklists associated with each program supported by GGS-6 and 7.

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